Acer Projector H7550ST/E155S/HE-815ST/H1P1403/ H7550STz/H7550BD/E155D/HE-815J/ H1P1406/H7550BDz Series User's Guide

Copyright © 2014. Acer Incorporated.
All Rights Reserved.

Acer Projector User's Guide
Original Issue: 11/2014

Changes may be made periodically to the information in this publication without obligation to notify any person of such revisions or changes. Such changes will be incorporated in new editions of this manual or supplementary documents and publications. This company makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims the implied warranties of merchantability or fitness for a particular purpose.

Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your projector. All correspondence concerning your unit should include the serial number, model number and purchase information.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronically, mechanically, by photocopy, recording or otherwise, without the prior written permission of Acer Incorporated.

Acer Projector

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

Acer and the Acer logo are registered trademarks of Acer Incorporated. Other companies' product names or trademarks are used herein for identification purposes only and belong to their respective companies.

"HDMI™, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

Information for Your Safety and Comfort

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

Turning the product off before cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Caution for plug as disconnecting device

Observe the following guidelines when connecting and disconnecting power to the external power supply unit:

- Install the power supply unit before connecting the power cord to the AC power outlet.
- Unplug the power cord before removing the power supply unit from the projector.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

Caution for Accessibility

Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.

Warnings!

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface.

This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.

- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage rotor devices or lamp.

Using electrical power

- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- This product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

Warning! The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.

Note: The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.

- Use the product only with the supplied power supply cord set. If you need to replace the power cord set, make sure that the new power cord meets the following requirements: detachable type, UL listed/CSA certified, VDE approved or its equivalent, 4.5 meters (14.76 feet) maximum length.

Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions

Note: Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

Warning! For safety reasons, do not use non-compliant parts when adding or changing components. Consult your reseller for purchase options.

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

Additional safety information

- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.
- Turn on the projector first and then signal sources.
- Do not place the product in the following environments:
  - Space that is poorly ventilated or confined. At least 50cm clearance from walls and free flow of air around the projector are necessary.
  - Locations where temperatures may become excessively high, such as inside of a car with all windows rolled up.
  - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shorten the life span and darken the image.
  - Locations near fire alarms.
  - Locations with an ambient temperature above 40 °C/104 °F.
  - Locations where the altitudes are higher than 10000 feet.
- Unplug immediately if there is something wrong with your projector. Do not operate if smoke, strange noise or odor comes out of your projector. It

might cause fire or electric shock. In this case, unplug immediately and contact your dealer.

- Do not keep using this product to break or drop it. In this case contact your dealer for inspection.
- Do not face the projector lens to the sun. It can lead to fire.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Do not frequently turn off the main power abruptly or unplug the projector during operation. The best way is to wait for the fan to stop before turning main power off.
- Do not touch the air outlet grille and bottom plate which become hot.
- Do not look into the air outlet grille when projector is operating. It may hurt your eyes.
- Always open the lens shutter or remove the lens cap when the projector is on.
- Do not block the projector lens with any object when the projector is under operation as this could cause the object to become heated and deformed or even cause a fire. To temporarily turn off the lamp, press HIDE on the remote control.
- The lamp becomes extremely hot during operation. Allow the projector to cool for approximately 45 minutes prior to removing the lamp assembly for replacement.
- Do not operate lamps beyond the rated lamp life. It could cause it to break on rare occasions.
- Never replace the lamp assembly or any electronic components unless the projector is unplugged.
- The product will detect the life of the lamp itself. Please be sure to change the lamp when warning messages display.
- When changing the lamp, please allow the projector to cool down, and follow all changing instructions.
- Reset the "Lamp Hour Reset" function from the Onscreen Display "Management" menu after replacing the lamp module.
- Do not attempt to disassemble this projector. There are dangerous high voltages inside which may hurt you. The only user serviceable part is the lamp which has its own removable cover. Refer servicing only to suitable qualified professional service personnel.
- Do not stand the projector on end vertically. It may cause the projector to fall over, causing injury or damage.
- This product is capable of displaying inverted images for ceiling mount installation. Only use acer ceiling mount kit for mounting the projector and ensure it is securely installed.

Caution for Listening

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit **http://www.acer-group.com/public/Sustainability/index.htm**

Mercury advisory

For projectors or electronic products containing an LCD/CRT monitor or display:

"Lamp(s) contain Mercury, Dispose Properly."

Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state or federal laws. For more information, contact the Electronic Industries Alliance at www.eiae.org. For lamp-specific disposal information, check **www.lamprecycle.org**

First Thing First

Usage Notes

Do:

- Turn off the product before cleaning.
- Use a soft cloth moistened with mild detergent to clean the display housing.
- Disconnect the power plug from AC outlet if the product is not being used for a long period of time.

Don't:

- Block the slots and openings on the projector provided for ventilation.
- Use abrasive cleaners, waxes or solvents to clean the unit.
- Use under the following conditions:
  - In extremely hot, cold or humid environments.
  - In areas susceptible to excessive dust and dirt.
  - Near any appliance that generates a strong magnetic field.
  - Place in direct sunlight.

Precautions

Follow all warnings, precautions and maintenance as recommended in this user's guide to maximize the life of your unit.

Warning:

- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- Please do not open or disassemble the product as this may cause electric shock.
- When changing the lamp, please allow the projector to cool down, and follow all changing instructions.
- This product will detect the life of the lamp itself. Please be sure to change the lamp when it shows warning messages.
- Reset the "Lamp Hour Reset" function from the Onscreen Display "Management" menu after replacing the lamp module.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Turn on the projector first and then the signal sources.
- Do not use lens cap when projector is in operation.
- When the lamp reaches the end of its life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn back on until the lamp module has been replaced. To replace the lamp, follow the procedures listed under "Replacing the Lamp".

Contents

Information for Your Safety and Comfort iii

First Thing First viii

- Usage Notes viii
- Precautions viii

Introduction 1

- Product Features 1
- Package Overview 2
- Projector Overview 3
  - Projector Outlook 3
  - Control Panel 4
  - Remote Control Layout 5
  - MHL Feature Introduction 7

Getting Started 8

- Connecting the Projector 8
- Turning the Projector On/Off 9
  - Turning On the Projector 9
  - Turning Off the Projector 10
- Adjusting the Projected Image 11
  - Adjusting the Height of the Projected Image 11
  - How to Optimize Image Size and Distance 12
  - How to Get a Preferred Image Size by Adjusting Distance and Zoom 14

User Controls 16

- Installation Menu 16
- Onscreen Display (OSD) Menus 17
- Color 18
- Image 20
- Setting 21
- Management 25
- Audio 25
- 3D 27
- Language 28

Appendices 29

Troubleshooting 29
LED & Alarm Definition Listing 33
Using the inner connector(s) 34
Replacing the Lamp 35
Ceiling Mount Installation 36
Specifications 39
Compatibility Modes 41
Regulations and safety notices 45

Introduction

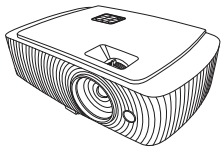
Product Features

This product is a single-chip DLP® projector, including the following outstanding features:

- DLP® technology
- Native 1920 x 1080 1080p resolution, Auto/Full/4:3/16:9/L.Box aspect ratio supported
- Enables projecting 3D content via DLP Link Technology: Blu-Ray 3D supported and Nvidia 3DTV Play Ready
- Enriches 3D experience for 2D contents via 2D to 3D convert function
- One-touch "3D" button on remote control allows quick and easy access to the 3D functions
- Acer ColorBoost technology delivers vivid, life-like images
- High brightness and contrast ratio
- Versatile display modes enable optimum performance in any situation
- NTSC/PAL/SECAM compatible and HDTV (720p, 1080i, 1080p) supported
- Lower power consumption and economy (ECO) mode extends lamp life
- Dynamic Black / ExtremeEco functions help decrease lamp power consumption and further extend lamp life.
  - Dynamic Black: If turned on, the projector dynamically adjusts the power consumption of the lamp according to the brightness of the image being projected. When projecting darker images the power consumption will be reduced and the contrast of the image will also be enhanced.
  - ExtremeEco: The projector will decrease the power consumption of the lamp by up to 70% when no input signal can be detected for 5 minutes.
- Acer EcoProjection Technology delivers Intelligent power management approach and physical efficiency improvement
- Advanced keystone correction delivers optimum presentations
- Multi-language Onscreen Display (OSD) menus
- Manual focus/zoom projection lens
- 2X digital zoom and pan move function
- Microsoft® Windows® 2000, XP, 7, 8, 8.1, Vista®, Macintosh OS compliant
- Built-in 20W speaker
- DTS sound effect

Package Overview

This projector comes with all the items shown below. Check to make sure you have them all. Contact your dealer immediately if any thing is missing.



Projector

Power cord

VGA cable

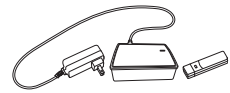
Security card

User's guide (CD-ROM)

Remote control

Quick start guide

Battery x 2



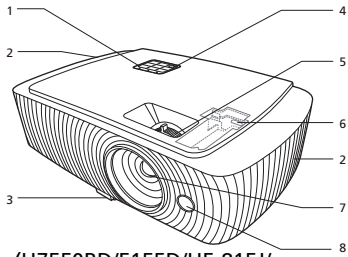
WirelessHD dongle kit (Optional)

Carrying case (Optional)

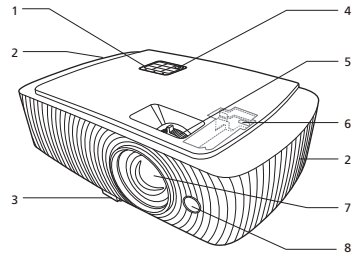
Projector Overview

Projector Outlook

Front/upper side



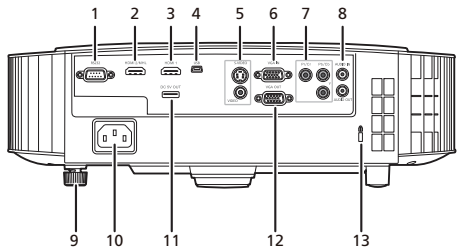
(H7550BD/E155D/HE-815J/
H1P1406/H7550BDz)



(H7550ST/E155S/HE-815ST/
H1P1403/H7550STz)

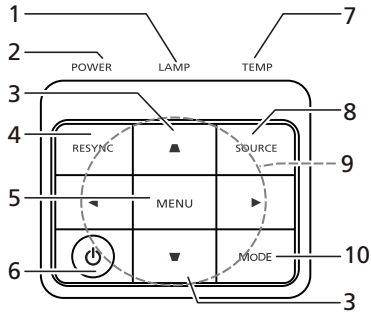
#	Description	#	Description
1	Control panel	5	Focus ring and Zoom ring
2	Speaker	6	HDMI (MHL) connector Micro USB cable
3	Elevator button	7	Projection lens
4	Power key and Power indicator LED	8	Remote control receiver

Rear side



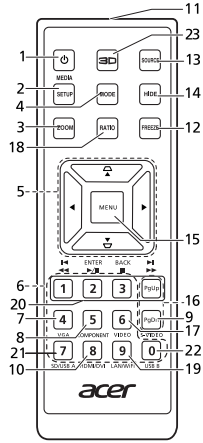
#	Description	#	Description
1	RS232 connector	8	Audio input connector Audio output connector
2	HDMI (MHL) connector		
3	HDMI connector	9	Tilt adjusting wheel
4	Mini USB connector	10	Power socket
5	S-Video input connector Composite video input connector	11	DC 5V out
		12	Monitor loop-through output connector
6	Analog RGB signal/HDTV/component video input connector		
7	Component Video inputs	13	Kensington™ lock port

Control Panel



#	Function	Description
1	LAMP	Lamp Indicator LED.
2	POWER indicator LED	Refer to the "Turning the Projector On/Off" section.
3	Keystone	Adjusts image distortion caused by tilting projection (±40 degrees).
4	RESYNC	Automatically synchronizes the projector to the input source.
5	MENU	Launches the Onscreen Display (OSD) menu, returns to the previous step for the OSD menu operation or exits the OSD menu.
6	Power key	Refer to the "Turning the Projector On/Off" section.
7	TEMP	Temp Indicator LED.
8	SOURCE	Chooses RGB, component video, S-Video, composite video, HDMI (MHL) or HDTV source.
9	Four directional selection keys	Selects items or makes adjustments to your selection
10	MODE	Chooses a display mode.

Remote Control Layout



#	Function	Description
1	POWER	Refer to the "Turning the Projector On/Off" section.
2	MEDIA SETUP	(No function)
3	ZOOM	Zooms the projector display in or out.
4	MODE	Chooses a display mode.
5	Keystone	Adjusts image distortion caused by tilting projection (±40 degrees).
	Four directional selection keys	Selects items or makes adjustments to your selection.
6	Keypad 0~9	Press "**0~9**" to input a password in the "Setting" > "Security" OSD.
7	VGA	To change source to VGA. This connection supports analog RGB, YPbPr (480p/576p/720p/1080i/1080p), and YCbCr (480i/576i).
8	COMPONENT	To change source to Component video. This connector supports YPbPr/YCbCr.
9	S-VIDEO	To change source to S-Video.
10	HDMI™/DVI	To change source to HDMI™ (or DVI). (for the model with HDMI™ or DVI connector)
11	Infrared transmitter	Sends signals to the projector.
12	FREEZE	To pause the screen image.

#	Function	Description
13	SOURCE	Chooses RGB, component video, S-Video, composite video, HDMI (MHL) or HDTV source.
14	HIDE	Press "HIDE" to hide screen image; press again to display the image.
15	MENU	Launches the Onscreen Display (OSD) menu, returns to the previous step for the OSD menu operation or exits the OSD menu.
16	PgUp/PgDn	For computer mode only. Use this button to select the next or previous page. This function is only available when connected to a computer via a USB cable.
17	VIDEO	To change source to composite video.
18	RATIO	Chooses an aspect ratio.
19	WIRELESS; LAN/WiFi	(No function)
20	⏮ Rewind ⏯ Play/Pause ■ Stop ⏭ Fast-forward	(No function)
21	SD/USB A	(No function)
22	USB B	(No function)
23	3D	Press to open the 3D menu for adjusting 3D settings.

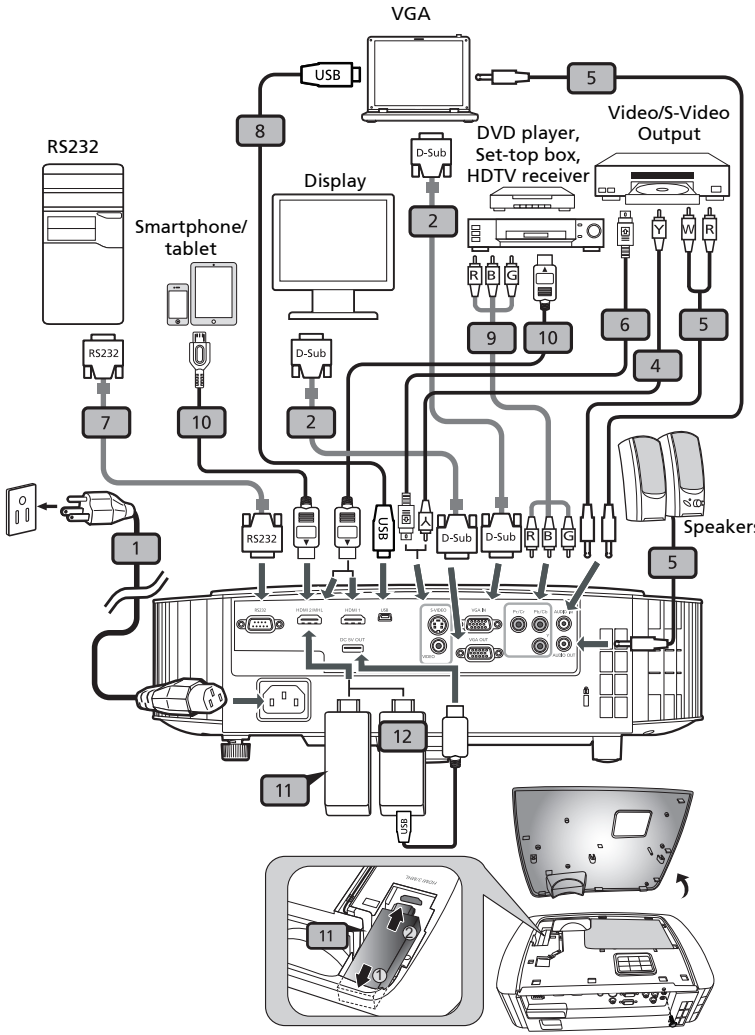
MHL Feature Introduction

When your smart device is connected to the projector, you can use some buttons on the remote control to control your smart device. Press "MODE" for one second to enter or leave the MHL control mode. After entering the MHL control mode, press "SOURCE" to switch between the navigation mode (default), media mode and numeric mode.

<table>
<tr><th rowspan="2">#</th><th rowspan="2" colspan="2">Function</th><th colspan="3">Description</th></tr>
<tr><th>Navigation mode</th><th>Media mode</th><th>Numeric mode</th></tr>
<tr><td>4</td><td colspan="2">MODE</td><td colspan="3">Long press for one second to enter or leave the MHL control mode.</td></tr>
<tr><td>13</td><td colspan="2">SOURCE</td><td colspan="3">After entering the MHL control mode, press to switch between the navigation mode (default), media mode and numeric mode.</td></tr>
<tr><td rowspan="4">5</td><td rowspan="4">Four directional select keys</td><td>Up</td><td>Up</td><td>(No function)</td><td>(No function)</td></tr>
<tr><td>down</td><td>down</td><td>(No function)</td><td>(No function)</td></tr>
<tr><td>Left</td><td>Left</td><td>Decreases the volume.</td><td>(No function)</td></tr>
<tr><td>Right</td><td>Right</td><td>Increases the volume.</td><td>(No function)</td></tr>
<tr><td>6</td><td colspan="2">Keypad 0~9</td><td>(No function)</td><td>(No function)</td><td>Enters 0~9.</td></tr>
<tr><td>15</td><td colspan="2">MENU</td><td>Goes to the root menu.</td><td>(No function)</td><td>(No function)</td></tr>
<tr><td rowspan="4">20</td><td colspan="2">⏮ Rewind</td><td>(No function)</td><td rowspan="4">Rewinds/Plays/ Pauses/Stops/ Fast-forwards the playing media files.</td><td>Enters 1.</td></tr>
<tr><td colspan="2">⏯ Play/Pause</td><td>Selects or enters items.</td><td>Enters 2.</td></tr>
<tr><td colspan="2">■ Stop</td><td>Exits current page.</td><td>Enters 3.</td></tr>
<tr><td colspan="2">⏭ Fast-forward</td><td>(No function)</td><td>(No function)</td></tr>
</table>

Getting Started

Connecting the Projector



#	Description	#	Description
1	Power cord	7	RS232 cable
2	VGA cable	8	USB cable
3	VGA to component video/HDTV adapter	9	3 RCA component cable
4	Composite video cable	10	HDMI (MHL) cable

#	Description	#	Description
5	Audio cable	11	WirelessHD dongle
6	S-Video cable	12	Wireless dongle

Note: To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with the projector.
Note: Some smart devices require a converter (supplied by the smart device maker) to enable the MHL function.
Note: Compatible HDMI/MHL dongles: WirelessHD, MWA3, Android, Chromecast™.

Turning the Projector On/Off

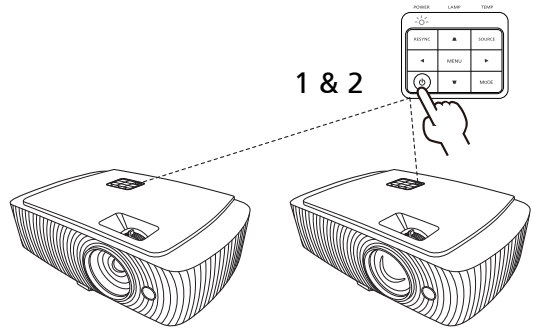
Turning On the Projector

1 Ensure that the power cord and signal cable are securely connected. The Power LED will light red.

2 Turn on the projector by pressing ⏻ (POWER) on the control panel or remote control, and the Power indicator LED will turn blue.

3 Turn on your source (computer, notebook, video player, etc.). The projector will detect your source automatically (when the Source Lock function is disabled).

- If the screen displays "No Signal", please make sure the signal cables are securely connected.
- If you connect to multiple sources at the same time, use "SOURCE" on the control panel or remote control, or the direct source key on the remote control to switch between inputs.



(H7550BD/E155D/HE-815J/ H1P1406/H7550BDz)

(H7550ST/E155S/HE-815ST/ H1P1403/H7550STz)

Turning Off the Projector

1 To turn the projector off, press the power button. This message appears:
"Please press power button again to complete the shutdown process"
Press the power button again.

2 The LED Power indicator will turn solid red to indicate standby mode.

3 It is now safe to unplug the power cord.

When Instant Resume is selected:

1 The LED Power indicator will turn RED and blink rapidly after the projector is turned off, and the fan(s) will continue to operate for about 2 minutes to ensure that the system cools properly.

2 As long as the power cord remains plugged in, you can press the power button to turn the projector immediately back on anytime during the 2-minute shutdown process.

3 Once the system has finished cooling, the LED Power indicator will stop blinking and turn solid red to indicate standby mode.

4 It is now safe to unplug the power cord.

Warning indicators:

- **"Projector Overheated. Lamp will automatically turn off soon."**
  This onscreen message indicates that the projector has overheated. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will turn solid red. Contact your local dealer or service center.
- **"Fan failed. Lamp will automatically turn off soon."**
  This onscreen message indicates that the fan has failed. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will blink. Contact your local dealer or service center.

Note: Whenever the projector automatically shuts down and the LED Temp indicator turns solid red, contact your local reseller or service center.

Adjusting the Projected Image

Adjusting the Height of the Projected Image

The projector is equipped with two elevator feet for adjusting the image height.

To raise the image:

1 Press the elevator button.

2 Raise the image to the desired height angle, then release the button to lock the elevator foot into position.

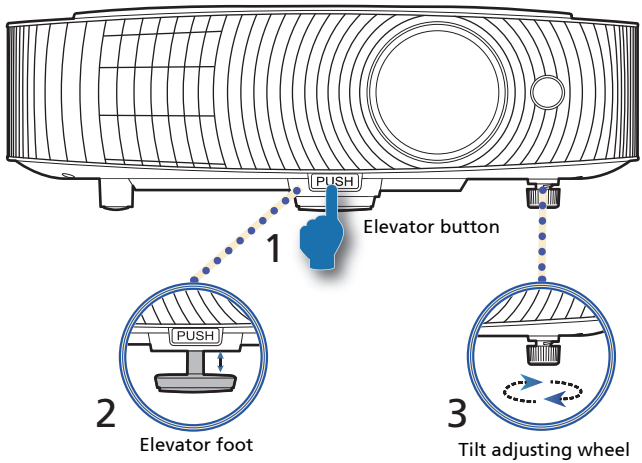
3 Use the rear Tilt adjusting wheel to fine-tune the display angle.

To lower the image:

1 Press the elevator button.

2 Lower the image to the desired height angle, then release the button to lock the elevator foot into position.

3 Use the rear Tilt adjusting wheel to fine-tune the display angle.



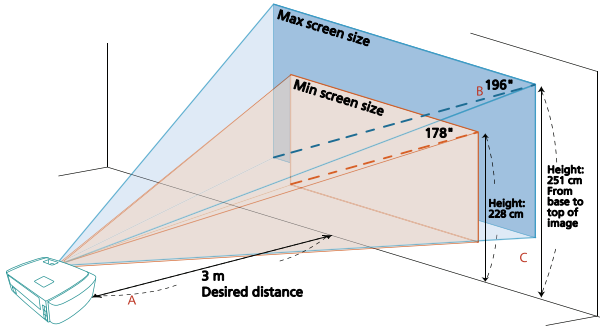
How to Optimize Image Size and Distance

Consult the table below to find the optimal image sizes achievable when the projector is positioned at a desired distance from the screen.

- H7550ST/E155S/HE-815ST/H1P1403/H7550STz

If the projector is 3 m from the screen, good image quality is possible for image sizes between 178" and 196".

Note: Remind as below figure, the space of 251 cm height is required when the projector is located at 3 m distance.



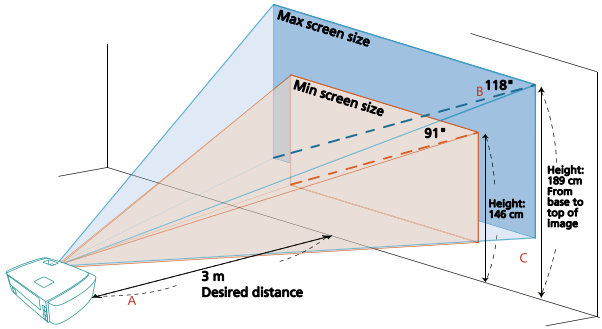
Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	59	132 x 74	76	65	145 x 82	84
1.5	89	197 x 111	114	98	217 x 122	125
2	119	263 x 148	152	131	290 x 163	167
2.5	149	329 x 185	190	164	362 x 204	209
3	178	395 x 222	228	196	435 x 245	251
3.5	208	461 x 259	266	229	507 x 285	292
4	238	526 x 296	303	262	580 x 326	334
4.5	267	592 x 333	341	295	652 x 367	376
5	297	658 x 370	379	327	725 x 408	418
6	357	789 x 444	455	393	870 x 489	501
7	416	921 x 518	531	458	1014 x 571	585
8	475	1053 x 592	607	524	1159 x 652	668
9	535	1184 x 666	683	589	1304 x 734	752
10	594	1316 x 740	759	655	1449 x 815	836
11	654	1447 x 814	834	720	1594 x 897	919
12	713	1579 x 888	910	786	1739 x 978	1003

Zoom Ratio: 1.1 x

- H7550BD/E155D/HE-815J/H1P1406/H7550BDz

If the projector is 3 m from the screen, good image quality is possible for image sizes between 91" and 118".

Note: Remind as below figure, the space of 189 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	30	67 x 38	48	39	87 x 49	62
1.5	45	100 x 56	72	59	130 x 73	94
2	61	133 x 75	98	79	174 x 98	126
2.5	76	167 x 94	122	98	217 x 122	157
3	91	200 x 113	146	118	261 x 147	189
3.5	106	233 x 131	170	137	304 x 171	219
4	121	267 x 150	194	157	348 x 196	251
4.5	136	300 x 169	218	177	391 x 220	283
5	152	333 x 188	243	196	435 x 245	314
6	182	400 x 225	291	236	522 x 293	378
7	212	467 x 263	339	275	609 x 342	440
8	242	533 x 300	387	314	696 x 391	502
9	273	600 x 338	437	354	783 x 440	566
10	303	667 x 375	485	393	870 x 489	629
11	333	733 x 413	533	432	957 x 538	691
12	364	800 x 450	582	471	1043 x 587	754

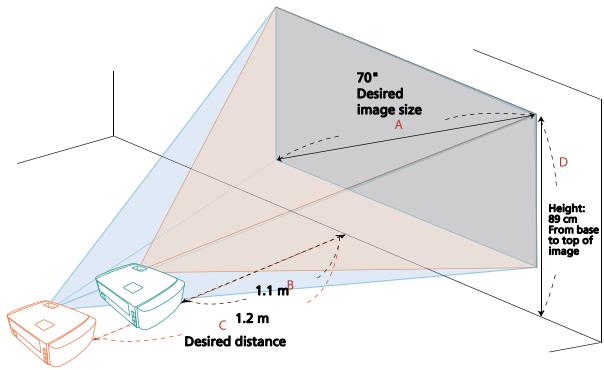
Zoom Ratio: 1.3 x

How to Get a Preferred Image Size by Adjusting Distance and Zoom

The table below shows how to achieve a desired image size by adjusting either the position or the zoom ring.

- H7550ST/E155S/HE-815ST/H1P1403/H7550STz

To obtain an image size of 70", set the projector at a distance between 1.1 m and 1.2 m from the screen and adjust the zoom level accordingly.

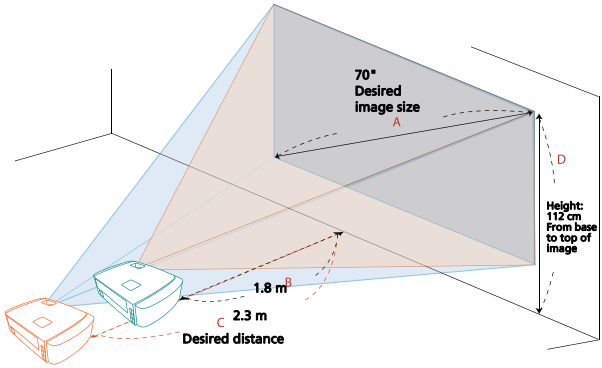


Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < **A** >	W (cm) x H (cm)	Max zoom < **B** >	Min zoom < **C** >	From base to top of image < **D** >
30	66 x 37		0.5	38
40	89 x 50	0.6	0.7	51
50	111 x 62	0.8	0.8	64
60	133 x 75	0.9	1.0	77
70	155 x 87	1.1	1.2	89
80	177 x 100	1.2	1.3	102
90	199 x 112	1.4	1.5	115
100	221 x 125	1.5	1.7	128
120	266 x 149	1.8	2.0	153
150	332 x 187	2.3	2.5	191
180	398 x 224	2.7	3.0	230
200	443 x 249	3.1	3.4	255
250	553 x 311	3.8	4.2	319
300	664 x 374	4.6		383

Zoom Ratio: 1.1 x

- H7550BD/E155D/HE-815J/H1P1406/H7550BDz

To obtain an image size of 70" set the projector at a distance between 1.8 m and 2.3 m from the screen and adjust the zoom level accordingly.



Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < **A** >	W (cm) x H (cm)	Max zoom < **B** >	Min zoom < **C** >	From base to top of image < **D** >
30	66 x 37		1.0	48
40	89 x 50	1.0	1.3	64
50	111 x 62	1.3	1.6	80
60	133 x 75	1.5	2.0	96
70	155 x 87	1.8	2.3	112
80	177 x 100	2.0	2.6	128
90	199 x 112	2.3	3.0	144
100	221 x 125	2.5	3.3	160
120	266 x 149	3.1	4.0	192
150	332 x 187	3.8	4.9	240
180	398 x 224	4.6	5.9	288
200	443 x 249	5.1	6.6	320
250	553 x 311	6.4	8.2	400
300	664 x 374	7.6		480

Zoom Ratio: 1.3 x

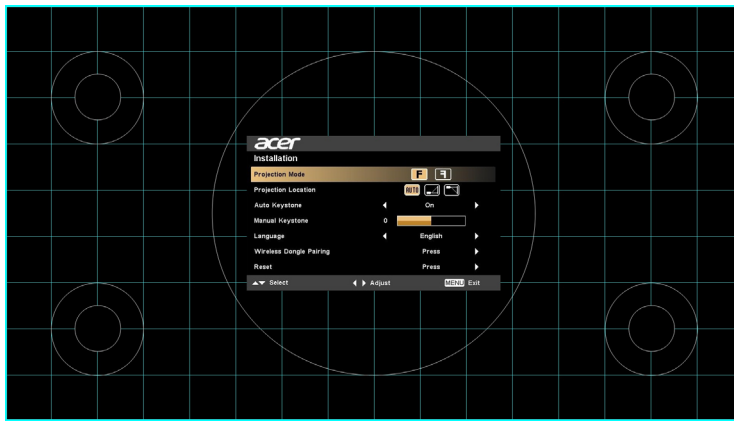
User Controls

Installation Menu

The Installation menu provides an Onscreen Display (OSD) for projector installation and maintenance. Use the OSD only when the message "No signal" is displayed on the screen.

1 Turn on the projector by pressing ⏻ (POWER) on the control panel or remote control.

2 Press "MENU" on the control panel or remote control to launch the OSD for projector installation and maintenance.



3 The background pattern acts as a guide to adjusting the calibration and alignment settings, such as screen size and distance, focus and more.

Note: The OSD screenshot is for reference only and may differ from the actual design.

4 The Installation menu includes several options.

Use the up and down arrow keys to select an option, the left and right arrow keys to adjust selected option settings, and the right arrow key to enter a submenu for feature setting. The new settings will be saved automatically upon exiting the menu.

5 Press "MENU" anytime to exit the menu and return to the Acer welcome screen.

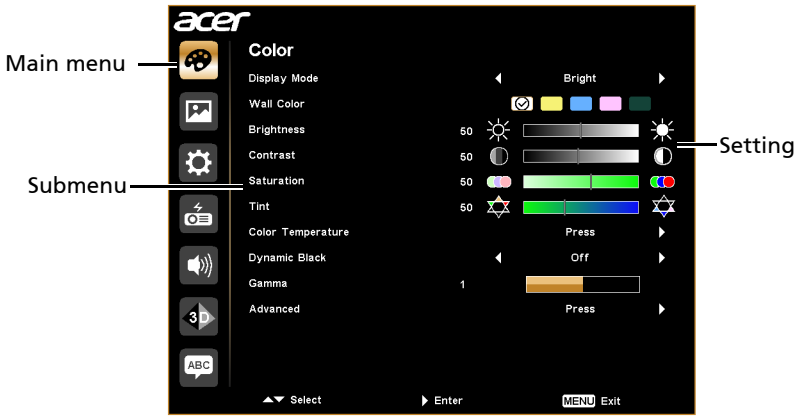
Onscreen Display (OSD) Menus

The projector has multilingual Onscreen Display (OSD) menus that allow you to make image adjustments and change a variety of settings.

Using the OSD menus

- To open the OSD menu, press "MENU" on the control panel or remote control.
- When the OSD is displayed, use ▲▼ to select an item in the main menu.

  After selecting the desired main menu item, press ▶ to enter a submenu for feature setting.
- Use ▲▼ to select the desired item and adjust the settings by using ◀▶.
- Select the next item to be adjusted in the submenu and adjust as described above.
- Press "MENU" on the control panel or remote control, the screen will return to the main menu.
- To exit the OSD menu, press "MENU" on the control panel or remote control again. It will close and the projector will automatically save the new settings.



Note: Some of the following OSD settings may not be available. Please refer to the actual OSD of your projector.

Color

Display Mode	There are many factory presets optimized for various types of images. • Bright: For brightness optimization. • Standard: For common environment. • Movie: For brighter and general movie/video/photo playing. • Dark Cinema: For dark movie content. • Game: For game content. • Sport: For sport picture. • User: Memorize user's settings.
Wall Color	Use this function to choose a proper color according to the wall. There are several choices, including White, Light Yellow, Light Blue, Pink and Dark Green. It will compensate for the color deviation due to the wall color to show the correct image tone.
Brightness	Adjusts the brightness of the image. • Press ◀ to darken the image. • Press ▶ to lighten the image.
Contrast	Controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image. • Press ◀ to decrease the contrast. • Press ▶ to increase the contrast.
Saturation	Adjusts a video image from black and white to fully saturated colors. • Press ◀ to decrease the amount of color in the image. • Press ▶ to increase the amount of color in the image.
Tint	Adjusts the color balance of red and green. • Press ◀ to increase the amount of green in the image. • Press ▶ to increase the amount of red in the image.

Color Temperature	Adjusts the color temperature. At higher color temperatures, the screen looks colder; at lower color temperatures, the screen looks warmer.
Dynamic Black	If turned on, the projector dynamically adjusts the power consumption of the lamp according to the brightness of the image being projected. When projecting darker images the power consumption will be reduced and the contrast of the image will also be enhanced.
Gamma	Effects the representation of dark scenery. With greater gamma value, dark scenery will look brighter.
Advanced	• Ind. Color Management: Adjusts the red, green, blue, cyan, yellow and magenta colors. • - Ind. Hue: Changes the hue of the color selected. • - Ind. Saturation: Adjusts a video image from black and white to fully saturated color. • - Ind. Gain: Adjusts the contrast levels. • Brilliant Color: Produces an expanded on-screen color spectrum that delivers enhanced color saturation for bright, true-to-life images. This feature is "On" by default. • White Peaking: Increases the brightness of whites that are near 100%. (Video sources only) • Film Mode: Sets the image optimized to 24-frame True Film mode for more realistic cadence of film playback during motion sequences. • Noise Reduction: Adjusts the level of noise reduction that helps to eliminate unwanted noise in the picture. • Black Extension: Analyzes the current input image and calculates an offset value which is then added to the analog to digital converter black level value. This ensures optimum black level for each analog source.

Note: "Saturation", "Tint" and "Advanced" functions are not supported under computer mode.

Image

Projection Mode	• Front: The factory default setting. • Rear: Reverses the image so you can project from behind a translucent screen.
Projection Location	• Auto: Automatically adjusts projection location of image. • Desktop • Ceiling: Turns the image upside down for ceiling-mounted projection.
Aspect Ratio	Use this function to choose your desired aspect ratio. • Auto: Keeps the image with original width-height ratio and maximizes the image to fit native horizontal or vertical pixels. • Full: The image will be displayed making full use of the horizontal and vertical pixels. • 4:3: The image will be scaled to fit the screen and displayed using a 4:3 ratio. • 16:9: The image will be scaled to fit the screen and displayed using a 16:9 ratio. • L.Box: Keeps the original signal aspect ratio and zooms in by 1.333 times.
Auto Keystone	Automatically adjusts image distortion caused by tilting projection (±40 degrees).
Manual Keystone	Manually adjusts image distortion caused by tilting projection (±40 degrees). This function is unavailable when Auto Keystone is set to "On".
Sharpness	Adjusts the sharpness of the image. • Press ◀ to decrease the sharpness. • Press ▶ to increase the sharpness.
H. Position (Horizontal Position)	• Press ◀ to move the image left. • Press ▶ to move the image right.

V. Position (Vertical Position)	• Press ◀ to move the image down. • Press ▶ to move the image up.
Frequency	Changes the projector's refresh rate to match the frequency of your computer's graphics card. If you experience a vertical flickering bar in the projected image, use this function to correct it.
Tracking	Synchronizes the signal timing of the display with the graphics card. If you experience an unstable or flickering image, use this function to correct it.
HDMI Color Range	Adjusts the color range of the HDMI image data to prevent color display error. • Auto: Automatically adjusts the color range by information from the player. • Limited Range: Processes the input image as limited color range data. • Full Range: Processes the input image as full color range data.
HDMI Scan Info	Adjusts the overscan ratio of the HDMI image on screen. • Auto: Automatically adjusts the overscan ratio by information from the player. • Underscan: Always no overscan on the HDMI image. • Overscan: Always keep overscan on the HDMI image.

Note: "H. Position", "V. Position", "Frequency" and "Tracking" functions are not supported under video mode.

Note: "Sharpness" function is not supported under computer mode.

Note: "HDMI Color Range" and "HDMI Scan Info" are only available when the input signal is HDMI.

Setting

Startup Screen	Use this function to select your desired startup screen. If you change the setting, it will take effect when you exit the OSD menu. • Acer: The default startup screen of your Acer projector. • User: Use the memorized picture from the "Screen Capture" function.

Screen Capture	Use this function to customize the startup screen. To capture the image that you want to use as the startup screen, follow the instructions below. Notice Before proceeding with the following steps, make sure that the "Keystone" is set to the default value "0", and the "Aspect Ratio" is set to "4:3". For details, refer to the "Image" section. • Change the "Startup Screen" from the default setting "Acer" to "User". • Select "Screen Capture" to customize the startup screen. • A dialog box appears to confirm the action. Choose "Yes" to use the current image as your customized startup screen. Choose "No" to cancel the screen capture and exist the Onscreen Display (OSD). • A message appears stating that the screen capture is in progress. • When the screen capture is finished, the message disappears and the original display is shown.
Source Lock	Selecting "On" enables the function and when switching input signals, you need to press "SOURCE" on the control panel or remote control, or the direct source key on the remote control. When this function is disabled, the projector will detect your source automatically.
Closed Caption	Selects a preferred closed captioning mode from CC1, CC2, CC3, CC4 (CC1 displays captions in the primary language in your area). Select "Off" to turn off the captioning feature. This function is only available when a composite video or S-Video input signal is selected and its system format is NTSC.
VGA OUT (Standby)	Selecting "On" enables the function. The projector can output a VGA signal when it is in standby mode and the VGA IN (or VGA IN 1) and VGA OUT sockets are correctly connected to the devices. Enabling this function slightly increases the standby power consumption.
DC 5V Out (Standby)	Selecting "On" enables the function. Both micro USB cable inside the projector and the DC 5V out port on the back of the projector can output 5V power when it is in standby mode. Enabling this function slightly increases the standby power consumption.
Reset	Press ▶ after choosing "Yes" to return the display parameters on all menus to the factory default settings.

Security	**Security** This projector provides a useful security function for the administrator to manage the projector. Press ▶ to change the "Security" setting. If the security function is enabled, your must enter "Administrator Password" first before changing the security setting. The factory default of "Administrator Password" is "1234". • Select "On" to enable the security function. You have to enter password depending on the "Security Mode". Please refer to "User Password" section for details. • If "Off" is selected, you can switch on the projector without password.
	Timeout (Min.) Once "Security" is set to "On", you can set timeout function. • Press ◀ ▶ to select timeout duration. • The range is from 10 to 990 minutes. • When time is up, the projector will request you to enter the password again. • The factory default setting of "Timeout (Min.)" is "Off". • Once the security function is enabled, the projector will request you to enter password when switching on the projector. Both "User Password" and "Administrator Password" can be accepted for this dialogue.

Security	**User Password** • Press ▶ to set up or change "User Password". • Use the numerical keys on the remote control to set the password and press "MENU" to confirm. • To delete the digits, Press ◀. • Enter the password again when you see "Confirm Password" displayed. • The password should be 4~8 digits in length. • If you select "Request password only after plugging power cord", you are requested to input the password every time the power cord is plugged. • If you select "Always request password while projector turns on", you are requested to input the password every time the projector is turned on.
	Administrator Password You can enter "Administrator Password" when the "Enter Administrator Password" or "Enter Password" dialogue box displays. • Press ▶ to change "Administrator Password". • The factory default of "Administrator Password" is "1234". If you forget your administrator password, do the following to retrieve the administrator password: • Enter the unique 6-digit "Universal Password" which is printed on the Security Card that came with your projector. This unique password will be accepted by the projector no matter what the administrator password is. • If the Security Card is lost, please contact your local Acer service center.
	Lock User Startup Screen This function is set to "OFF" by default. If set to "ON", the startup screen is locked and cannot be changed by the "Startup Screen" and "Screen Capture" functions.

Management

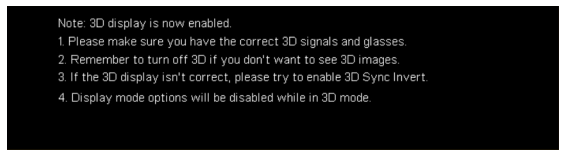
ECO Mode	Choose "On" to dim the projector lamp, which will also lower the power consumption, reduce noise, and extend the lamp life. Choose "Off" to return to the normal mode.
High Altitude	Choose "On" to turn on the High Altitude mode. When this function is turned on, the projector fans operate at full speed continuously to cool down the projector's temperature.
Turn Off Mode	• Instant Off: Enables you to turn off the projector immediately without fan cooling process by pressing the power button twice. • Instant Resume: Enables you to restart the projector immediately within 2 minutes after turning it off.
Auto Shutdown (Minutes)	The projector will automatically shut down while there is no signal input detected after the time you set.
AC Power On	Selecting "On" enables the function. The projector will automatically turn on when power is supplied via the power cord.
Lamp Hour Elapse	Displays the lamp's elapsed operating time (in hours).
Lamp Reminding	Choose this function to show or hide warning message when the changing lamp message is displayed. The message will show up 30 hours before end of life.
Lamp Hour Reset	Press ▶ after choosing "Yes" to reset the lamp hour counter to 0 hours.

Audio

Volume	• Press ◀ to decrease the volume. • Press ▶ to increase the volume.
Volume Boost	Selecting "On" enables the function. The volume will be magnified.
DTS	Selecting "On" enables the function. Stereo enhancement will improve dynamic audio performance.
Treble	Adjusts treble level.
Bass	Adjusts bass level.

BT Speaker Connection	• Bluetooth: Selecting "On" enables the function. • Device Search: Press ▶ to search for available devices. Select a device in the list of found devices. The projector will automatically try to connect to the last connected device the next time you enable the Bluetooth function.
Mute	• Choose "On" to turn mute on. • Choose "Off" to turn mute off.
Power On/Off Volume	Select this function to adjust the notification volume when turning the projector on/off.
Alarm Volume	Select this function to adjust the volume of any warning notifications.

3D

3D	Selects "On" to enable the 3D function supported by DLP 3D technology. • On: Select this item while using DLP 3D glasses, quad buffer (NVIDIA/ATI...) graphics card and HQFS format file or DVD with corresponding SW player. • Off: Turns off the 3D mode.
2D to 3D	• 2D to 3D: Converts 2D contents to 3D. Note that DLP 3D glasses are required to obtain the best 3D effect. • Mode: Provides several preset 2D to 3D conversion modes for your selection. You can also select User and use the "Convergence" and "Depth" functions described below to setup your customized conversion mode. • Convergence: Changes the convergence effect that is used when converting 2D contents to 3D. • Depth: Adjusts the image depth of 3D objects. "Depth" and "Convergence" are only available when "Mode" is set to "User".
3D Format	If the 3D content is not displayed correctly, you can select a 3D format that suits the 3D content you are viewing and obtain the best result.
3D Sync Invert	If you see a discrete or overlapping image while wearing DLP 3D glasses, you may need to execute "Invert" to get best match of left/right image sequence to get the correct image (for DLP 3D).
24P 3D	Choose 96Hz or 144Hz for 24p 3D.
3D Warning Message	Choose "On" to display the 3D warning message. 

Note: Supported 3D signal timings:

Signal source type	Supported timing
Video/S-Video/Component video	HQFS 3D (480i@60Hz), 576i@50Hz

VGA/HDMI (PC mode)	640 x 480@50/60/100/120Hz 800 x 600@50/60/100/120Hz 1024 x 768@50/60/100/120Hz 1280 x 800@50/60/100/120Hz (RB)
HDMI (Video mode)	HQFS 3D (480i@60Hz) , 576i@50Hz, Frame Packing (1080p@23.98/24Hz, 720p@50/60Hz) Side-by-Side Horizontal (1080i@50/60Hz, 1080p@50/60Hz) Top-and-Bottom (720p@50/60Hz, 1080p@23.97/24Hz, 1080p@50/60Hz)

It needs correct settings on graphics card 3D application program for correct 3D display.

The SW players, such as Stereoscopic Player and DDD TriDef Media Player can support 3D format files. You can download these players on the web page below.

- Stereoscopic Player (Trial): http://www.3dtv.at/Downloads/Index_en.aspx
- DDD TriDef Media Player (Trial): http://www.tridef.com/download/TriDef-3-D-Experience-4.0.2.html

Note: "3D Sync Invert" and "3D Format" are only available when "3D" is enabled.

Language

Language	Sets a language for the OSD menus. Use ▲ ▼ to select your preferred language.

Appendices

Troubleshooting

If you experience a problem with your Acer projector, refer to the following troubleshooting guide. If the problem persists, please contact your local reseller or service center.

Image Problems and Solutions

#	Problem	Solution
1	No image appears onscreen	• Make sure all the cables are correctly connected as described in the "Getting Started" section. • Ensure none of the connector pins are bent or broken. • Check if the projection lamp has been securely installed. Please refer to the "Replacing the Lamp" section. • Make sure the projector is switched on.

2	Partial, scrolling or incorrectly displayed image (For PC (Windows 95/98/2000/XP/ Win7/Vista))	• Press "RESYNC" on the control panel or remote control.
		• For an incorrectly displayed image:
		  • Open "My Computer > Control Panel," and then double-click the "Display" icon.
		  • Select the "Settings" tab.
		  • Verify that your display resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080.
		  • Click the "Advanced Properties" button.
		If the problem still appears, change the monitor display you are using and follow the steps below:
		  • Verify that the resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080.
		  • Click the "Change" button under the "Monitor" tab.
		  • Click "Show all devices > Standard monitor types" under the SP box, and choose the resolution mode you need under the "Models" box.
		  • Verify that the resolution setting of the monitor display is lower than or equal to 1600 x 1200 or 1920 x 1080.

3	Partial, scrolling or incorrectly displayed image (For notebooks)	• Press "RESYNC" on the control panel or remote control.
		• For an incorrectly displayed image:
		  • Follow the steps for item 2 (above) to adjust the resolution of your computer.
		  • Press the toggle output settings. Example: [Fn]+[F4], Compaq [Fn]+[F4], Dell [Fn]+[F8], Gateway [Fn]+[F4], IBM [Fn]+[F7], HP [Fn]+[F4], NEC [Fn]+[F3], Toshiba [Fn]+[F5]
		• If you experience difficulty changing resolutions or your monitor freezes, restart all equipment including the projector.

4	The screen of the notebook computer is not displaying your presentation	• If you are using a Microsoft® Windows® based notebook: Some notebook PCs may deactivate their own screens when a second display device is in use. Each has a different way to be reactivated. Refer to your computer's manual for detailed information. • If you are using an Apple® Mac® OS based notebook: In System Preferences, open Display and select Video Mirroring "On."
5	Image is unstable or flickering	• Use "Tracking" to correct it. Refer to the "Image" section for more information. • Change the display color setting on your computer.
6	Image has vertical flickering bar	• Use "Frequency" to make an adjustment. Refer to the "Image" section for more information. • Check and reconfigure the display mode of your graphics card to make it compatible with the projector.
7	Image is out of focus	• Adjust the focus ring on the projector lens. • Make sure the projection screen is within the required distance: H7550ST/E155S/HE-815ST/H1P1403/H7550STz: 3.0 to 15.0 feet (0.9 to 4.6 meters) H7550BD/E155D/HE-815J/H1P1406/H7550BDz: 4.9 to 19.7 feet (1.5 to 6 meters) Refer to the "How to Get a Preferred Image Size by Adjusting Distance and Zoom" section for more information.

8	Image is stretched when displaying a "widescreen" DVD title	When you play a DVD encoded in anamorphic or 16:9 aspect ratio you may need to adjust the following settings: • If you play a 4:3 format DVD title, please change the format to 4:3 with the projector OSD. • If the image is still stretched, you will also need to adjust the aspect ratio. Set up the display format to 16:9 (wide) aspect ratio on your DVD player.
9	Image is too small or too large	• Adjust the zoom lever on the top of the projector. • Move the projector closer to or further from the screen. • Press "MENU" on the control panel or remote control. Go to "Image" > "Aspect Ratio" and try different settings.
10	Image has slanted sides	• If possible, reposition the projector so that it is centered on the screen and below the bottom of the screen. • Press the Keystone correction keys on the control panel or remote control until the image becomes square. • Press "MENU" on the control panel or remote control to open the OSD menu. Go to "Image" > "Auto Keystone" or "Image" > "Manual Keystone" to make adjustments.
11	Image is reversed	• Select "Image" > "Projection Mode", "Image" > "Projection Location" on the OSD and adjust the projection direction.

Problems with the Projector

#	Condition	Solution
1	The projector stops responding to all controls	If possible, turn off the projector, then unplug the power cord and wait at least 30 seconds before reconnecting power.
2	Lamp burns out or makes a popping sound	When the lamp reaches the end of its useful life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, follow the procedures in the "Replacing the Lamp" section.

OSD Messages

#	Condition	Message Reminder
1	Message	Fan Fail - the system fan is not working. Fan Fail. Lamp will automatically turn off soon. Projector Overheated - the projector has exceeded its recommended operating temperature and must be allowed to cool down before it is used. Please also check the dust filters if they are installed. If the dust filter is clogged with dust, please clean it. Projector Overheated. Lamp will automatically turn off soon. Replace the lamp - the lamp is about to reach its maximum lifetime. Prepare to replace it soon. Lamp is approaching the end of its useful life in full power operation. Replacement suggested!

LED & Alarm Definition Listing

LED Messages

Message	Power LED		LAMP LED	TEMP LED
	Red	Blue	Red	Red
Standby (Power cord plugged in)	V	--	--	--
Power on	--	V	--	--
Lamp retry	--	Quick flashing	--	--
Turning off (Cooling state)	Quick flashing	--	--	--
Turning off (Cooling completed)	V	--	--	--
Error (Thermal failure)	--	V	--	V
Error (Fan lock failure)	--	V	--	Quick flashing
Error (Lamp breakdown)	--	V	V	--
Error (Color wheel failure)	--	V	Quick flashing	--

Using the inner connector(s)

Turn the projector off by pressing (POWER). Allow the projector at least 45 minutes to cool down. Disconnect the power cord.

1 Use a screwdriver to remove the screw(s) from the cover. (Illustration #1)

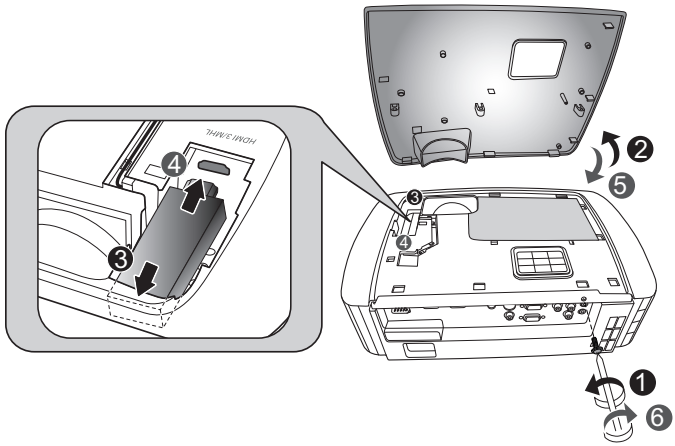
2 Push up and remove the cover. (Illustration #2)

3 Locate the HDMI (MHL) connector beside the focus/zoom ring.

4 Put the bottom of the WirelessHD dongle (optional accessory) or other HDMI/MHL dongle into the projector first (Illustration #3) and then insert the WirelessHD dongle into the HDMI (MHL) connector. (Illustration #4)

5 A micro USB cable is also available if you need to power the HDMI/MHL dongle.

6 Replace the cover and tighten the screw(s). (Illustration #5 - #6)

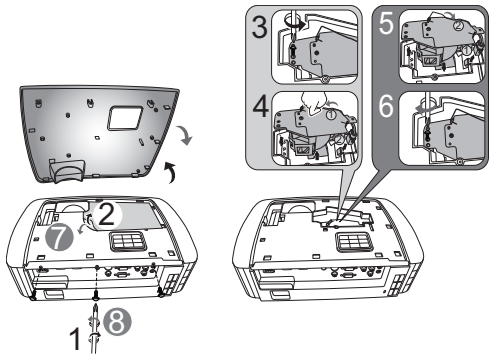


Replacing the Lamp

Use a screwdriver to remove the screw(s) from the cover, and then pull out the lamp.

The projector will detect the lamp life itself. It will show you a warning message **"Lamp is approaching the end of its useful life in full power operation. Replacement Suggested!"** When you see this message, change the lamp as soon as possible. Make sure the projector has been cooled down for at least 45 minutes before changing the lamp.

Warning: Lamp compartment is hot! Allow it to cool down before changing lamp!



To remove the lamp:

Turn the projector off by pressing (POWER). Allow the projector at least 45 minutes to cool down. Disconnect the power cord.

1 Use a screwdriver to remove the screw(s) from the cover. (Illustration #1)

2 Push up and remove the cover.

3 Remove the lamp protection film (Illustration #2).

4 Remove the screw that secures the lamp module (Illustration #3).

5 Disconnect the lamp connector from the projector. Lift the handle so that it stands up. Pull out the lamp module by force (Illustration #4).

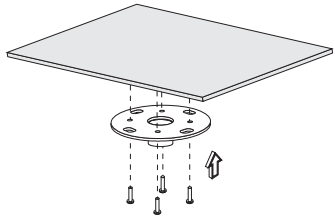
To replace the lamp module, use a new lamp and reverse the above steps (Illustrations #❺ - #❽).

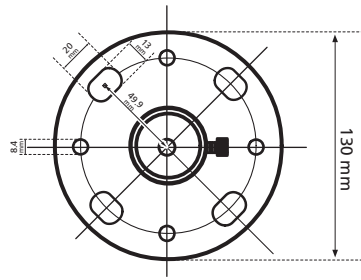
Warning: To reduce the risk of personal injury, do not drop the lamp module or touch the lamp bulb. The bulb may shatter and cause injury if it is dropped.

Ceiling Mount Installation

If you wish to install the projector using a ceiling mount, please refer to the steps below:

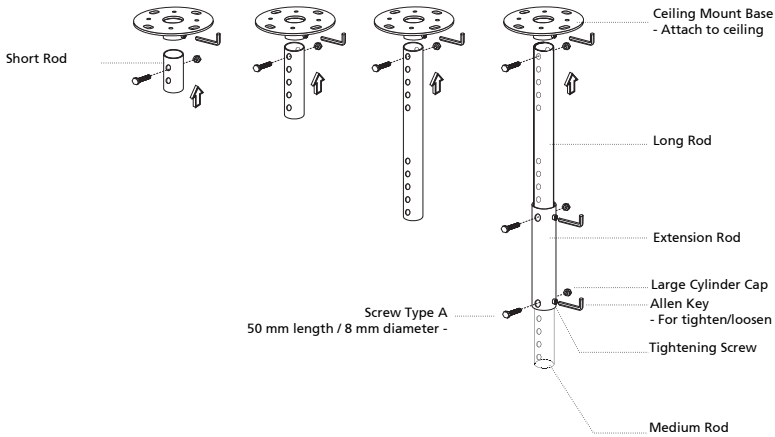
1 Drill four holes into a solid, structurally sound part of the ceiling, and secure the mount base.



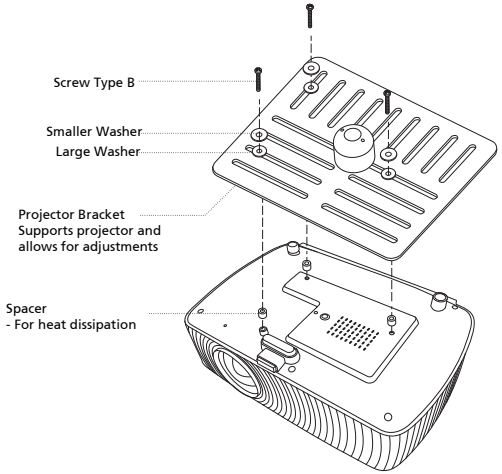


Note: Screws are not included. Please obtain the appropriate screws for your type of ceiling.

2 Secure the ceiling rod using the appropriate type of cylinder screws.

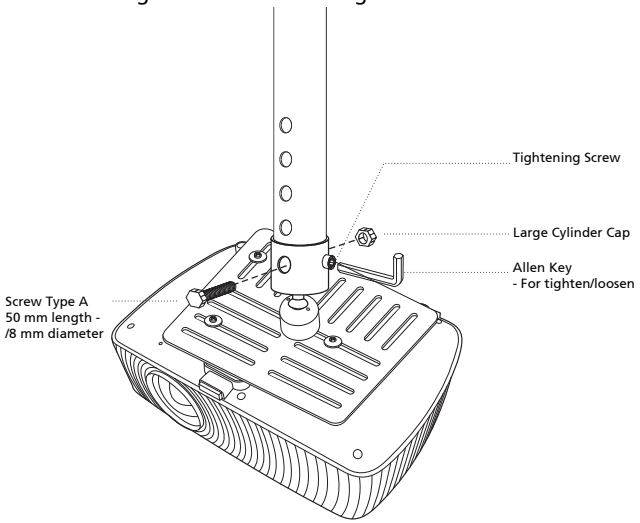


3 Use the appropriate number of screws for the projector size to attach the projector to the ceiling mount bracket.

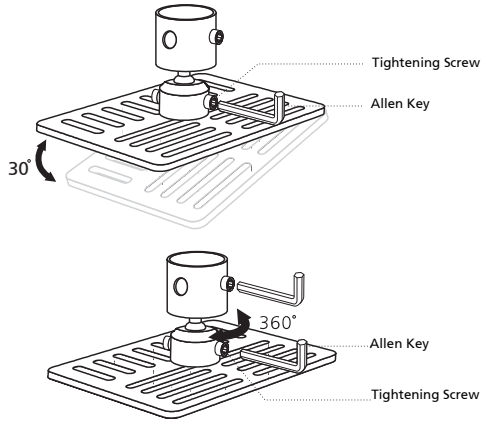


Note: It is recommended that you keep a reasonable space between the bracket and the projector to allow for proper heat distribution. Use two washers for extra support, if deemed necessary.

4 Attach the ceiling bracket to the ceiling rod.

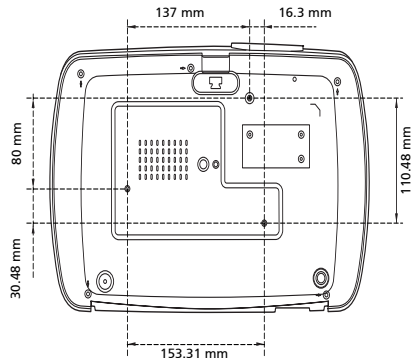


5 Adjust the angle and positioning as necessary.



Note: The appropriate type of screw and washer for each model is listed in the table below. 4 mm diameter screws are enclosed in the screw pack.

Screw Type B		Washer Type	
Diameter (mm)	Length (mm)	Large	Small
4	25	V	V



Specifications

The specifications below are subject to change without notice. For final specs, please refer to Acer's marketing documentation.

Projection system	DLP™
Resolution	Native: 1080p (1920 x 1080) Maximum: WUXGA (1920 x 1200) (supports reduce blanking only)
Computer compatibility	Refer to the "Compatibility Modes" section for more information.
Video compatibility	NTSC (3.58/4.43), PAL (M/N), PAL 60, SECAM, HDTV (720p, 1080i, 1080p), EDTV (480p, 576p), SDTV (480i, 576i)
Aspect ratio	Auto, 4:3, 16:9, Full, Letter Box
Displayable colors	1.07 billion colors
Projection lens	• H7550ST/E155S/HE-815ST/H1P1403/H7550STz: F = 2.6 - 2.78, f = 10.20 mm - 11.22 mm, 1:1.1 Manual Zoom and Manual Focus • H7550BD/E155D/HE-815J/H1P1406/H7550BDz: F = 2.59 - 2.87, f = 16.88 mm - 21.88 mm, 1:1.3 Manual Zoom and Manual Focus
Projection screen size (diagonal) with clear focus	• H7550ST/E155S/HE-815ST/H1P1403/H7550STz: 60" (91 cm) - 120" (183 cm) • H7550BD/E155D/HE-815J/H1P1406/H7550BDz: 60" (153 cm) - 180" (460 cm)
Projection distance with clear focus	• H7550ST/E155S/HE-815ST/H1P1403/H7550STz: 3.0' (0.9 m) - 15.0' (4.6 m) • H7550BD/E155D/HE-815J/H1P1406/H7550BDz: 4.9' (1.5 m) - 19.7' (6 m)
Throw ratio	• H7550ST/E155S/HE-815ST/H1P1403/H7550STz: 95"±3% @ 1.44 m (0.69 - 0.76) • H7550BD/E155D/HE-815J/H1P1406/H7550BDz: 95"±3% @ 2.43 m (1.15 - 1.5)
Horizontal scan rate	31 - 99 KHz
Vertical refresh scan rate	23 - 120 Hz
Keystone correction	+/-30 Degrees (Vertical and horizontal), Manual & Auto
Digital zoom	2 X
Audio	10W x 2
Weight	Approximate 3.0 kg (6.61 lbs.)
Dimensions (W x D x H)	356 x 241 x 103 mm (11.7’ x 7.9’ x 3.4’)
Power supply	Universal AC input 100 - 240 V, input frequency 50/60 Hz
Power consumption (typical)	325 W
Operating temperature	0°C to 40°C / 32°F to 104°F

I/O connectors	•	Power socket x 1
	•	USB x 1 (Type mini B)
	•	VGA input x 1
	•	VGA output x 1
	•	Composite video x 1
	•	S-Video x 1
	•	Component Video (Y/Cb/Cr, Y/Pb/Pr) x 1
	•	RS232 x 1
	•	HDMI (MHL) x 2
	•	HDMI x 1
	•	3.5 mm audio jack input x 1
	•	3.5 mm audio jack output x 1
Standard package contents	•	AC power cord x 1
	•	VGA cable x 1
	•	Remote control x 1
	•	Battery x 2 (for the remote control)
	•	User's guide (CD-ROM) x 1
	•	Quick start guide x 1
	•	Security card x 1
Accessory (optional)	•	Composite video cable x 1
	•	Carrying case x 1
	•	WirelessHD dongle kit x 1

* Design and specifications are subject to change without notice.

Compatibility Modes

1 VGA Analog - PC Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA	640 x 480	60	31.47
		72	37.86
		75	37.50
		85	43.27
		120	61.91
SVGA	800 x 600	56	35.20
		60	37.88
		72	48.08
		75	46.88
		85	53.67
		120	77.43
XGA	1024 x 768	60	48.36
		70	56.48
		75	60.02
		85	68.68
		120	98.96
SXGA	1152 x 864	70	63.85
		75	67.50
		85	77.10
	1280 x 1024	60	63.98
		72	76.97
		75	79.98
		85	91.15
QuadVGA	1280 x 960	60	60.00
	1280 x 960	75	75.00
SXGA+	1400 x 1050	60	65.32
UXGA	1600 x 1200	60	75.00
PowerBook G4	640 x 480	60	31.50
	640 x 480	66.6 (67)	35.00
	800 x 600	60	37.88
	1024 x 768	60	48.36
	1024 x 768	75	60.241
	1152 x 870	75	68.681

WXGA	1280 x 768	60	47.78
	1280 x 768	75	60.29
	1280 x 768	85	68.63
	1280 x 720	60	45.00
	1280 x 800	60	49.70
	1280 x 800 - RB	120	101.6
	1440 x 900	60	55.94
	1680 x 1050	60	65.29
	1366 x 768	60	47.71
	1920 x 1080-RB	60	66.60
	1920 x 1080-EIA	60	67.50
	1024 x 600	60	37.50
	1920 x 1200-RB	59.95	74.04

2 HDMI - PC Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA_60	640 x 480	59.94	31.469
VGA_72		72.809	37.861
VGA_75		75	37.5
VGA_85		85.008	43.269
VGA_120		119.518	61.91
SVGA_56	800 x 600	56.25	35.156
SVGA_60		60.317	37.879
SVGA_72		72.188	48.077
SVGA_75		75	46.875
SVGA_85		85.061	53.674
SVGA_120		119.854	77.425
XGA_60	1024 x 768	60.004	48.363
XGA_70		70.069	56.476
XGA_75		75.029	60.023
XGA_120		119.804	98.958
SXGA_75	1152 x 864	75	67.5
SXGA_85		84.99	77.094
SXGA_60	1280 x 1024	60.02	63.981
SXGA_72		72	76.97
SXGA_75		75.025	79.976
SXGA_85		85.024	91.146
QuadVGA_75	1280 x 960	75	75

SXGA+_60	1400 x 1050	59.978	65.317
UXGA_60	1600 x 1200	60	75
Mac G4	640 x 480@60Hz	59.94	31.469
MAC13	640 x 480@67Hz	66.667	35
Mac G4	800 x 600@60Hz	60.317	37.879
Mac G4	1024 x 768@60Hz	60.004	48.363
MAC19	1024 x 768@75Hz	75.02	60.241
MAC21	1152 x 870@75Hz	75.061	68.681
WXGA_60	1280 x 768	59.87	47.776
WXGA_75		74.893	60.289
WXGA_85		84.837	68.633
WXGA_60	1280 x 720	60	45
WXGA_60	1280 x 800	59.81	49.702
WXGA_120-RB	1280 x 800	119.909	101.563
WXGA+_60	1440 x 900	59.887	55.935
1680x1050_60	1680 x 1050	59.954	65.29
acer_16:9	1366 x 768	59.79	47.712
1920 x 1080_RB	1920 x1080	60	66.587
1920 x 1080_EIA	1920 x1080	60	67.5
acer_timing	1024 x 600	60	37.5
1920 x 1200-RB	1920 x 1200	59.95	74.038

3 HDMI - Video Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480 (1440 x 480)	60	15.73
480p	720 x 480	60	31.47
576i	720 x 576 (1440 x 576)	50	15.63
576p	720 x 576	50	31.25
720p	1280 x 720	60	45.00
720p	1280 x 720	50	37.50
1080i	1920 x 1080	60	33.75
1080i	1920 x 1080	50	28.13
1080p	1920 x 1080	60	67.50
1080p	1920 x 1080	50	56.26
1080p	1920 x 1080	24	27.00
1080p	1920 x 1080	23.98	26.97

4 MHL - Video Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480 (1440 x 480)	60	15.73
480p	720 x 480	60	31.47
576i	720 x 576 (1440 x 576)	50	15.63
576p	720 x 576	50	31.25
720p	1280 x 720	60	45.00
720p	1280 x 720	50	37.50
1080i	1920 x 1080	60	33.75
1080i	1920 x 1080	50	28.13
1080p	1920 x 1080	24	27.00
1080p	1920 x 1080	23.98	26.97
1080p	1920 x 1080	30	33.75

5 YPbPr Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480	59.94	15.73
480p	720 x 480	59.94	31.47
576i	720 x 576	50.00	15.63
576p	720 x 576	50.00	31.25
720p	1280 x 720	60.00	45.00
720p	1280 x 720	50.00	37.50
1080i	1920 x 1080	60.00	33.75
1080i	1920 x 1080	50.00	28.13
1080p	1920 x 1080	60.00	67.5
1080p	1920 x 1080	50.00	56.26
1080p	1920 x 1080	24.00	27.00
1080p	1920 x 1080	23.98	26.97

6 Video, S-Video Signal

Mode	V.Frequency [Hz]	H.Frequency [KHz]	fsc (MHz)
NTSC	15.73	60	3.58
PAL	15.63	50	4.43
SECAM	15.63	50	4.25 or 4.41
PAL-M	15.73	60	3.58
PAL-N	15.63	50	3.58
PAL-60	15.73	60	4.43
NTSC4.43	15.73	60	4.43

Regulations and safety notices

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

Acer hereby, declares that this projector series is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Compliant with Russian regulatory certification

Radio device regulatory notice

Note: The regulatory information below is for models with wireless LAN and/or Bluetooth only.

General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules).

Canada — Low-power license-exempt radio communication devices (RSS-210)

a Common information
Operation is subject to the following two conditions:
1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

b Operation in 2.4 GHz band
To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.

List of applicable countries

This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact a local office in the country of use. Please see http://ec.europa.eu/enterprise/rtte/implem.htm for the latest country list.

Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi
New Taipei City 221, Taiwan

Declaration of Conformity

We,

Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan
Contact Person: Mr. RU Jan, e-mail:ru_jan@acer.com.tw

And,

Acer Italy s.r.l
Via Lepetit, 40, 20020 Lainate (MI) Italy
Tel: +39-02-939-921, Fax: +39-02 9399-2913
www.acer.it

Declare under our own responsibility that the product:

Product:	**DLP Projector**
Trade Name:	**Acer**
Model Number:	**H7550ST/E155S/HE-815ST/H1P1403/H7550STz/ H7550BD/E155D/HE-815J/H1P1406/H7550BDz series**

To which this declaration refers conforms to the relevant standard or other standardizing documents:

- EN55022:2010 Class B; EN 55024:2010
- EN61000-3-2:2006+A1:2009+A2:2009, Class A
- EN61000-3-3:2008
- EN 60950-1:2006/A11:2009/A1:2010+A12:2011
- Regulation (EC) No. 1275/ 2008; EN 62301:2005
- EN50581:2012

We hereby declare above product is in compliance with the essential requirements and other relevant provisions of EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU and Directive 2009/125/EC with regard to establishing a framework for the setting of ecodesign requirements for energy-related product.

Year to begin affixing CE marking 2014.

RU Jan/Sr. Manager
Regulation Center, Acer Inc.

Nov. 21, 2014 -
Date

Acer America Corporation
333 West San Carlos St.,
Suite 1500
San Jose, CA 95110
U. S. A.
Tel: 254-298-4000
Fax: 254-298-4147
www.acer.com

Federal Communications Commission Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer /Importer is responsible for this declaration:

Product:	DLP Projector
Model Number:	H1P1403/H1P1406 series
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	333 West San Carlos St. Suite 1500 San Jose, CA 95110 U. S. A.
Contact Person:	Acer Representative
Phone No.:	254-298-4000
Fax No.:	254-298-4147